Form PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY. DOCKET NO.

081445-0180

SERIAL NO.

10/815,100

APPLICANT

Timothy I. Salsbury et al.

FILING DATE

03/31/2004

GROUP ART UNIT

2121

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
CSB	A1	6,554,198	04/29/2003	Hull et al.	236	49.3	
CSB	A2	6,522,954	02/18/2003	Kummerer et al.	700	278	
CSB	A3	6,424,873	07/23/2002	Przybylski	700	42	
CSB	A4	6,408,228	06/18/2002	Seem et al.	700	276	
CSB	A5	6,122,605	09/19/2000	Drees et al.	702	194	
CSB	A6	6,006,142	12/21/1999	Seem et al.	700	276	
CSB	A7	5,607,190	03/04/1997	Exandier et al.	285	93	
CSB	A8	5,558,274	09/24/1996	Ben-Aissa et al.	236	13	
CSB	A9	5,276,630	01/04/1994	Baldwin et al.	364	505	
CSB	A10	4,901,918	02/20/1990	Grald et al.	236	178	
CSB	A11	2003/0153986	08/14/2003	Salsbury et al.	700	11	
CSB	A12	2002/0116075	08/22/2002	Salsbury	700	1	

FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

CSB	A13	Al-Numay, S., D. G. Taylor, "One Cycle Averaging for Digital PWM Control System Design", Proceedings of the American Control Conference June 2000, Page 1057.
CSB	A14	Bernelli-Zazzera, F., P. Mantegazza, "Linearization Techniques for Pulse Width Control of Linear Systems", Control and Dynamic Systems: Advances in Theory and Applications, Volume 70, 1995; Page 67.
CSB	A15	Clark, R. C., "HVACSIM+ Building Systems and Equipment Simulation Program Reference Manual", Published by the U.S. Department of Commerce, National Bureau of Standards, National Engineering Laboratory, Center for Building Technology, Building Equipment Division, Gaithersburg, MD 20899, 1985.
CSB	A16	Energy Information Administration (EJA), "Commercial Building Energy Consumption and Expenditures 1995". DOE/EIA-0625(95), Washington, D.C., 1998.

EXAMINER

Crystal J Barnes

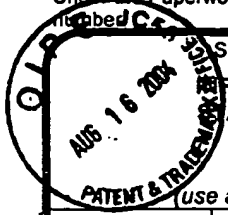
DATE CONSIDERED

4 August 2005

- EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include any copy of this form with next communication to applicant.

Form PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 081445-0180	SERIAL NO. 10/075,177
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				APPLICANT Timothy I. Salsbury et al.	
				FILING DATE 02/14/2002	GROUP ART UNIT 2858
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
CJB	A17	Guo, B., D. C. Lin, Y. L. Feng, K. G. D. Laknath, M. Syedulaq, M. Nakaoka, "New Conceptual Electromagnetic Induction Fluid Heating System Using Resonant PWM Inverter with Auto-Tuning PID Controller". Proceedings of the IEEE International Conference on Industrial Technology, 1996, Page 390.			
CJB	A18	Mallinson, N., "Plug & Play Single Chip Controllers for Variable Speed Induction Motor Drives in White Goods and HVAC Systems", Proceedings of the 13th Annual Applied Power Electronics Conference, 1998 Page 756.			
CJB	A19	Nagai, S., H. Nagura, M. Nakaoka, "High Frequency Inverter with Phase-Shifted PWM and Load Adaptive PFM Control Strategy for Industrial Induction-Heating", Proceedings of IEEE Industry Applications Conference, Canada, 1993, Page 2165.			
CJB	A20	Seem, J. E., "A New Pattern Recognition Adaptive Controller with Application to HVAC Systems", Automatica, Volume 34, Number 8, 1998, Page 969.			
CJB	A21	Seem, J. E., C. Park, and J. M. House, "A new sequencing control strategy for Air-Handling Units," International Journal of Heating, Ventilating, Air-Conditioning and Refrigerating Research, Volume 5, Number 1, January, 1999, pp. 35-58.			
CJB	A22	Skoog, R. A., G. L. Blankenship, "Generalized Pulse-Modulated Feedback Systems: Norms, Gains, Lipschitz Constants, and Stability", IEEE Transactions on Automatic Control. Volume AC-21, Number 5, 1976, Page 739.			
CJB	A23	Sira-Ramirez, H. 1989, "Sliding Regimes in Pulse-Width-Modulation Systems Design", Proceedings of the 28 th IEEE Conference on Decision and Control-Tampa, Florida, 1989, Page 2199-2204.			
CJB	A25	Van Varseveld, R., G. Bone, "Accurate Position Control of a Pneumatic Actuator Using On/Off Solenoid Valves", IEEE/ASME Transactions on Mechatronics, Volume 2, 1997, Page 195.			
CJB	A25	Zaheer-Uddin, M., G. R. Zheng, "A VAV System Model for Simulation of Energy Management Control Functions: Off Normal Operation and Duty Cycling", International Journal of Energy Conversion and Management, 1994, Page 917.			

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control



Substitute for form 1449B/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Date Submitted:

(use as many sheets as necessary)

Complete if Known

Application Number	10/815,100
Filing Date	03/31/2004
First Named Inventor	Timothy I. Salisbury
Group Art Unit	2121
Examiner Name	To be determined
Attorney Docket Number	081445-0380

Sheet 1 of 1

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
QJB	B1	SALSBURY, TIMOTHY I., "A New Pulse Modulation Adaptive Controller (PMAC) Applied to HVAC Systems", 43 pgs.	
QJB	B2	SALSBURY, TIMOTHY I. "A New Sequencer Controller for Multistage Systems of Known Relative Capacities", 45 pgs.	
QJB	B3	AstrOm, K., T. Hagglund, "PID Controllers: Theory, Design, and Tuning", Published by the Instrument Society of America, Pages 78-79, bearing a designation "Copyright © 1995."	
QJB	B4	Itkis, U., "Control Systems of Variable Structure", Published by John Wiley & Sons, Pages 21-50 and 74-93, bearing a designation "Copyright © 1976."	
QJB	B5	Nash, J. C., "Compact Numerical Methods for Computers: Linear Algebra and Function Minimization", Published by Adam Hilger, Ltd, Bristol, Pages 161-164, bearing a designation "Copyright © 1979, 1980."	

001.1677102.1

Examiner Signature	Crystal Barnes	Date Considered	4 August 2005
--------------------	----------------	-----------------	---------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.